

(b) Amendments to the Claims:

A detailed listing of the claims follows which replaces all earlier versions.

1. (Currently Amended) A process for producing a three-dimensional pattern ~~three dimensionally structured material~~, which comprises the steps of:

preparing a liquid composition comprising a block polymer having a polyalkenyl ether repeating unit structure and a liquid medium[[,]] ;

ejecting the liquid composition to apply the liquid composition to a recording medium; and

imparting a stimulus to the applied liquid composition to modify the block polymer, thereby forming the three-dimensional pattern ~~three dimensionally structured material~~.

2. (Original) The production process according to claim 1, which further comprises a step of solidifying the liquid composition after the modification of the block copolymer.

3. (Original) The production process according to claim 1, wherein the block ploymer is amphiphilic and forms micelles.

4. (Original) The production process according to claim 1, wherein the stimulus to the liquid composition is selected from temperature change, application of an electric field, exposure to electromagnetic wave, pH change, addition of a chemical substance, and concentration change.

5. (Cancelled)

6. (Currently Amended) The production process according to claim 1, wherein a coloring material ~~functional substance~~ is included in the block polymer.

7. (Cancelled)

8. (Currently Amended) The production process according to claim ~~6~~7, wherein the coloring material includes a pigment.

9.-14. (cancelled)

15. (New) The production process according to claim 1, wherein the liquid composition applied to the recording medium has a storage modulus  $G'$  of from  $10^2$  to  $10^7$  Pa on the recording medium and a loss modulus  $G''$  of from  $10^2$  to  $10^7$  Pa on the recording medium with the proviso that  $G' \geq G''$ .

16 (New) A process for producing a three-dimensional pattern, which comprises the steps of :

preparing plural kinds of liquid compositions each comprising a block polymer having a polyalkenyl ether repeating unit structure and a liquid medium;

ejecting a first of the plural kinds of liquid compositions to apply the liquid composition to a recording medium;

imparting a stimulus to the applied liquid composition to modify the block polymer, thereby forming a pattern; and

ejecting a second of the plural kinds of liquid compositions which differs from the first liquid composition to apply the liquid composition onto the pattern.

17. (New) The production process according to claim 16, wherein the first liquid composition and the second liquid composition have different colors.